







Vehicle and Equipment Repair and Maintenance

This activity applies if you repair and maintain vehicles and other equipment. It also applies to mobile vehicle maintenance operations, such as at construction sites. This common activity can lead to immediate stormwater contamination if repairs and maintenance are not done in a controlled manner. This activity can contaminate stormwater runoff with toxic hydrocarbons, other toxic organic compounds, oil and grease, harmful pH, and metals.




MINIMUM REQUIREMENTS

The following BMPs, or equivalent measures, methods, or practices, are required if you are engaged in engine and vehicle repair and maintenance:

-  1 Inspect vehicles and equipment for leaks. Use drip pans or absorbent material to capture leaking fluids. Clean up any spilled fluids immediately.
-  2 Keep waste oil, antifreeze, and other fluids properly covered and contained. See Activity Sheet A-3, "Storage of Liquid Materials in Portable Containers."
-  3 Store batteries upright in a secure, contained, covered place. Don't store batteries outside on the ground. Check to ensure batteries are not damaged or leaking. Keep battery acid neutralizing materials, such as baking soda, available near the storage area.
-  4 Call the Business Waste Line at 206-296-3976 or see <http://www.govlink.org/hazwaste/business/index.cfm> for information on the proper disposal and recycling of vehicle fluids, filters, and batteries.
-  5 Sweep paved work areas as needed to clean up debris. Clean up vehicle fluids with rags or other absorbent material immediately. Never wash paved areas to a storm drain or the street.
-  6 Regular work at a stationary business location should be done indoors. If temporary work is being conducted outside, use a tarp, ground cloth, or drip pans beneath the vehicle or equipment to capture all spills and drips. The collected material must be disposed of, reused, or recycled properly.





See BMP Info Sheet 2 in Chapter 5 for information on disposal options.

-  7 Ensure employees are trained in the proper handling, storage, and disposal of vehicle and equipment fluids.
-  8 Store and maintain appropriate spill cleanup materials in a location known to all. Ensure that employees are familiar with the site's spill control plan and/or proper spill cleanup procedures. Call the Business Waste Line at 206-296-3976 for information on the proper disposal of used absorbent materials.
-  9 Industrial laundry services are available that provide reusable cloth shop rags to clean up small drips and spills. A list of industrial laundry services that manage shop rags is available online at <http://www.govlink.org/hazwaste/business/wastedirectory/wasteindex.cfm#S>. Do not wash cloth rags at home or at a regular commercial laundry.

ADDITIONAL BMPs

The following BMPs are optional unless the above minimum requirements do not provide adequate source control.

-  1 Absorbent material such as pillows or booms can be used around storm drains or in catch basins to absorb oil and other substances. Used absorbent materials containing oil or other engine fluids must be disposed of in the appropriate manner. Oil recycling vendors or other vendors that pick up used vehicle fluids can assist in the appropriate disposal of these materials.
-  2 A catch basin insert, configured for oil removal, may remove some of the pollutants in runoff from this activity. Catch basin inserts require frequent maintenance to be effective. Carefully consider this requirement when evaluating your options.



See BMP Info Sheet 10 in Chapter 5 for more information.